

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 10-189248

(43)Date of publication of application : 21.07.1998

(51)Int.Cl.

H05B 33/14
C09K 11/06

(21)Application number : 09-291150

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(22)Date of filing : 23.10.1997

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(30)Priority

Priority number : 08295043

Priority date : 07.11.1996

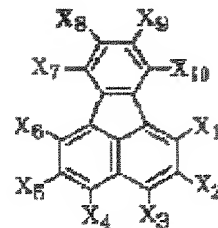
Priority country : JP

(54) ORGANIC ELECTROLUMINESCENT ELEMENT

(57)Abstract:

PROBLEM TO BE SOLVED: To provide an organic electroluminescent element with high luminescent efficiency and high luminance by interposing a layer containing a fluoranthene derivative between a pair of electrodes.

SOLUTION: An organic electroluminescent element interposing at least one layer containing at least one kind of fluoranthene derivatives represented by the formula (wherein X1-X10 show a hydrogen atom, a halogen atom, a straight chain, branched, or cyclic alkyl group, alkoxy group, a substituting or non-substituting aryl group, at least one of X1-X10 is a straight chain, branched, or cyclic alkyl group, alkoxy group, or a substituting or non-substituting aryl group, and an adjacent alkyl group and aryl group of X7-X10 may be bonded and form a ring.) for example, 7-methyl fluoranthene as a luminescent layer is manufactured. The organic electroluminescent element with high luminance usable as a panel type light source of a back light or the like is obtained.



LEGAL STATUS

[Date of request for examination]

06.05.2003

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]